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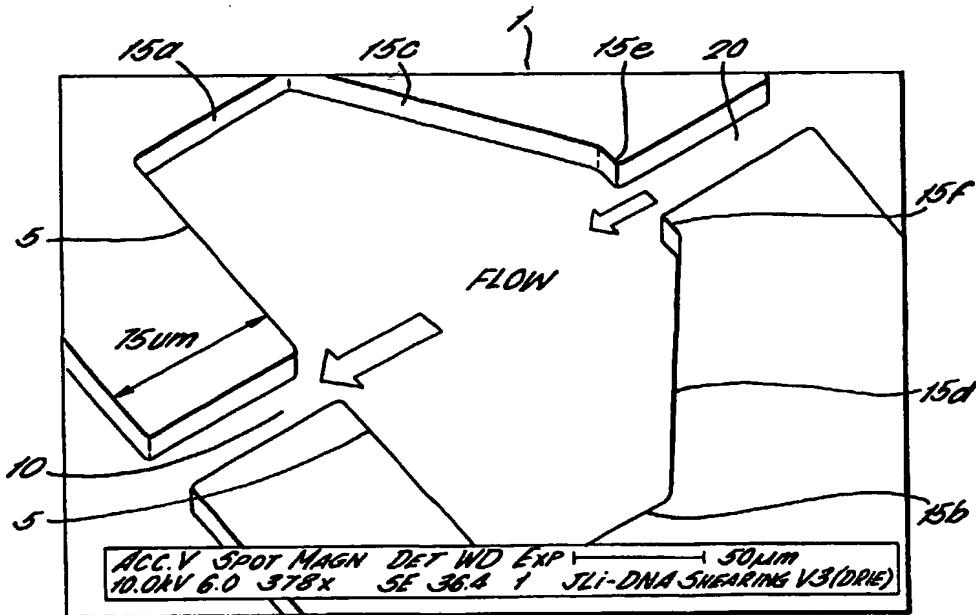
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(54) Title: A MICROFABRICATED FLUIDIC DEVICE FOR FRAGMENTATION



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(57) Abstract: A microfabricated device for fragmenting nucleic acids present in a fluid sample, the device comprising an inlet port (20), a fragmentation cell (1), and an outlet port (10) downstream from said inlet port (20), said cell (1) being in fluid communication with said ports, and wherein said outlet port is dimensioned to impede the flow of a fluid sample out of said cell (1) so as to effect shearing of nucleic acids molecules therein.